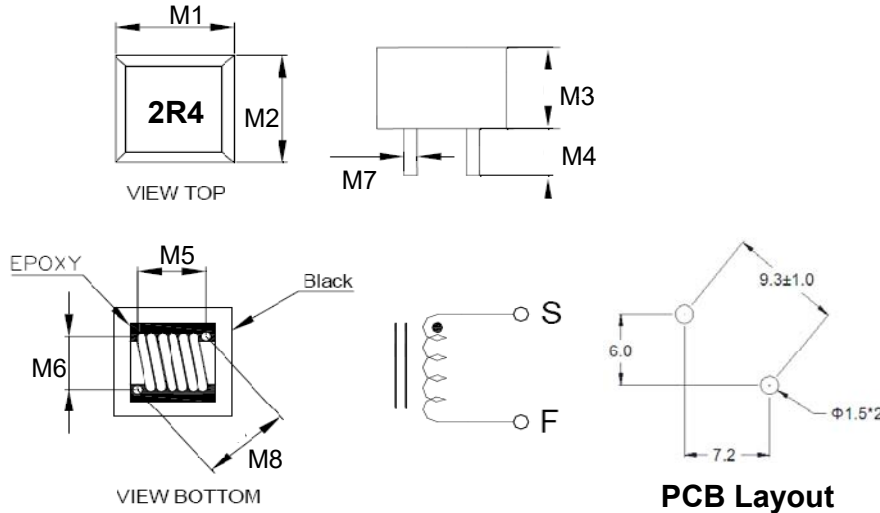


SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	Power Choke Inductors	Description	SI121209N-2R4M
PART NO.	302-99482	DATE	2014.12.26

(1) DIMENSION(UNIT:mm)



M1	12.3±0.4	mm
M2	12.3±0.4	mm
M3	9.6±0.4	mm
M4	3.3±0.5	mm
M5	7.2 ± 0.5	mm
M6	6.0 ± 0.5	mm
M7	∅1.0 ± 0.1	mm
M8	9.3 ± 1.0	mm

(2) ELECTRICAL REQUIREMENTS

TEST CONDITION	FREQUENCY	VOLTAGE	(3) TEST INSTRUMENTS	
			LCR-METER:	
L	2.4μH±20%	100KHz	1V	HP-4291A WK3260B
DCR	4.0mΩ(Max)	KHz	V	LCR-METER: WK3260B
Isat	20A(Max)drop 20% TYP	100KHz	1V	DC RESISTANCE METER: WK3260B
Irms	25A(Max) at ΔT=40°C	100KHz	1V	CURRENT SOURCE: TH2816B+1320
		KHz	V	GW PUNCTURE INSULATION TESTER

(4) TURNS:6.5Ts(REF)

(5) MATERIAL LIST

ITEM	MATERIAL	DESCRIPTION
1	IRON CORE	
2	WIRE	
3	EPOXY	
4	Ink	

REMARK:

APPROVED	CHECKED	DRAWN BY
<i>Simon</i>	辛海峰	張小萍

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:		Part No.	302-99482	Test Q'ty:	30	PCS	
CUST P/N.		Description:	SI121209N-2R4M	Date:	2014.12.26		
MEASURE ITEM	L			DCR			
	(μH)			(mΩ)			
SPECIFIC	2.4			4.0			
SUGGEST	±20%			Max			
1	2.04	2.02	2.01	2.8	2.8	2.8	
2	2.00	2.04	2.00	2.8	2.8	2.8	
3	2.01	2.02	2.01	2.8	2.8	2.8	
4	2.02	1.99	2.00	3.0	2.8	3.0	
5	1.99	2.02	1.99	3.2	2.8	3.2	
6	2.02	2.01	2.02	2.8	2.8	2.8	
7	2.04	2.00	2.04	2.8	2.8	2.8	
8	2.02	2.01	2.02	2.8	2.8	2.8	
9	1.99	2.00	1.99	2.8	3.0	2.8	
10	2.02	1.99	2.02	2.8	3.2	2.8	
CPK	13.40						
TEST CONDITION	INSTRUMENTS:	WK3260B				AT:	100 KHz
	ENVIORNMENTS:	TEMP:25 degree HUMDITY :65%					
	STORAGE TEMPERATURE RANGE	-40°C~+85°C					
	OPERATING TEMPERATURE RANGE	-25°C~+85°C					
REMARK:					APPROVED	CHECKED	DRAWN BY
					<i>Simon</i>	辛海峰	張小萍

MINGSTAR ELECTRONIC CORP.

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:		Part No.	302-99482			Test Q'ty:	30			PCS												
CUST P/N.		Description:	SI121209N-2R4M			Date:	2014.12.26															
MEASURE ITEM	A		B		C		D		E		F		H									
	(mm)		(mm)		(mm)		(mm)		(mm)		(mm)		(mm)									
SPECIFIC	12.3		12.3		3.3		9.6		7.2		6.0		9.3									
SUGGEST	±0.4		±0.4		± 0.5		±0.4		±0.5		±0.5		±1.0									
1	12.27	12.33	12.27	12.28	12.37	12.28	3.43	3.45	3.43	9.63	9.64	9.63	7.16	7.36	7.16	6.60	6.36	6.60	9.58	9.50	9.58	
2	12.41	12.30	12.41	12.36	12.32	12.36	3.49	3.44	3.49	9.69	9.64	9.69	7.39	7.22	7.39	6.23	6.40	6.23	9.47	9.29	9.47	
3	12.26	12.27	12.26	12.29	12.30	12.29	3.35	3.43	3.35	9.60	9.62	9.60	7.22	7.27	7.22	6.27	6.43	6.27	9.36	9.49	9.36	
4	12.25	12.31	12.25	12.22	12.29	12.22	3.44	3.54	3.44	9.61	9.66	9.61	7.26	7.39	7.26	6.29	6.25	6.29	9.35	9.47	9.35	
5	12.23	12.38	12.23	12.23	12.30	12.23	3.47	3.44	3.47	9.67	9.65	9.67	7.11	7.27	7.11	6.22	6.21	6.22	9.15	9.67	9.15	
6	12.33	12.27	12.33	12.37	12.28	12.37	3.45	3.43	3.45	9.64	9.63	9.64	7.36	7.16	7.36	6.36	6.60	6.36	9.50	9.58	9.50	
7	12.30	12.41	12.30	12.32	12.36	12.32	3.44	3.49	3.44	9.64	9.69	9.64	7.22	7.39	7.22	6.40	6.23	6.40	9.29	9.47	9.29	
8	12.27	12.26	12.27	12.30	12.29	12.30	3.43	3.35	3.43	9.62	9.60	9.62	7.27	7.22	7.27	6.43	6.27	6.43	9.49	9.36	9.49	
9	12.31	12.25	12.31	12.29	12.22	12.29	3.54	3.44	3.54	9.66	9.61	9.66	7.39	7.26	7.39	6.25	6.29	6.25	9.47	9.35	9.47	
10	12.38	12.23	12.38	12.30	12.23	12.30	3.44	3.47	3.44	9.65	9.67	9.65	7.27	7.11	7.27	6.21	6.22	6.21	9.67	9.15	9.67	
X																						
R																						
TEST CONDITION	INSTRUMENTS:		WK3260B										AT:		100 KHz		1V					
	ENVIORNMENTS:		TEMP:25 degree HUMDITY :65%																			
	STORAGE TEMPERATURE RANGE				-40°C~+85°C																	
	OPERATING TEMPERATURE RANGE				-25°C~+85°C																	
REMARK:										APPROVED		CHECKED		DRAWN BY								
										<i>Simon</i>		辛海峰		張小萍								

MINGSTAR ELECTRONIC CORP.